

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

Claim 1. (Currently Amended) A projection type display device, comprising:

a light source;

an optical system for modulating illumination light output from said light source based on input image information;

a power source section for supplying electric power for driving said light source;

a box for housing said optical system, said light source and said power source section;

exhaust means for exhausting air within said box by using at least one axial fan; and

a cover member for covering an upper surface of said box, wherein

an outlet of said exhaust means is provided in a bottom side of said box-, and wherein

said cover member commonly covers a plurality of apertures formed on an upper side of said box for removing and/or installing components.

Claim 2. (Canceled)

Claim 3. (Currently Amended) The A projection type display device ~~according to Claim 1~~ comprising:

a light source;

an optical system for modulating illumination light output from said light source based on input image information;

a power source section for supplying electric power for driving said light source;

a box for housing said optical system, said light source and said power source section;

exhaust means for exhausting air within said box by using at least one axial fan; and

a cover member for covering an upper surface of said box, wherein

an outlet of said exhaust means is provided in a bottom side of said box, and wherein

said exhaust means:

generates a first airflow for exhausting heat generated from said light source; and

generates a second airflow for exhausting heat generated from said power source section, wherein

respective paths for the first and second airflows generated by said exhaust means are separated from each other.

Claim 4. (Currently Amended) The projection type display device according to Claim 3, further comprising:

a downwardly projecting support member for supporting said box, wherein

said box includes a projecting portion supported by said support member, and wherein

an outlet of said exhaust means for said light source is formed in said projecting portion so as to laterally exhaust air between said support member and said box.

Claim 5. (Previously Presented) The projection type display device according to Claim 3, wherein said exhaust means further comprises:

an inlet formed in proximity to said light source in a bottom of said box;

an outlet disposed in the bottom of said box;

a plurality of axial fans disposed in line for air conduction; and

an exhaust duct for leading air flow from said inlet, passing through said light source and conducted by said plurality of axial fans, to said outlet.

Claim 6. (Previously Presented) The projection type display device according to Claim 5, wherein said exhaust duct comprises a plurality of guide plates for equalizing a distribution of a volume of air exhausted through said outlet.

Claim 7. (Currently Amended) ~~The~~ A projection type display device ~~according to Claim 1, further comprising~~ comprising:

a light source;

an optical system for modulating illumination light output from said light source based on input image information;

a power source section for supplying electric power for driving said light source;

a box for housing said optical system, said light source and said power source section;

exhaust means for exhausting air within said box by using at least one axial fan;

a cover member for covering an upper surface of said box;
and

a sirocco fan for taking air in from outside of said box and discharging the air toward an optical component of said optical system that has a temperature thereof increased by absorbing illumination light of said optical system, wherein

an inlet for said sirocco fan is formed on a side of said box-, and wherein

an outlet of said exhaust means is provided in a bottom side of said box.

Claim 8. (Previously Presented) The projection type display device according to Claim 7, wherein said sirocco fan

is disposed at a position where cooling air discharged from said sirocco fan merges into an airflow originated by said exhaust means after cooling said optical component.

Claim 9. (Currently Amended) A projection type display device in which illumination light is modulated and projected based on input image data, said projection type display device comprising:

a single sirocco fan directly connected to a frame holding ~~an~~ a red optical component, green optical component, and a blue optical component that ~~has~~ each have a temperature thereof increased by absorbing said illumination light for discharging cooling air taken from outside towards said red, green, and blue optical component components; and

distribution means including a distribution sheet having differently sized apertures formed therein for distributing said cooling air ~~in quantities that correspond to respective different temperatures of a plurality of~~ to said red, green, and blue optical components reach, such that a quantity of cooling air delivered to said red optical component differs from a quantity of cooling air delivered to said green optical component that differs from a quantity of cooling air delivered to said blue optical component.

Claim 10. (Canceled)

Claim 11. (Previously Presented) The projection type display device according to Claim 10, further comprising a body element containing said frame, said distribution means and said regulation means.